

PICO Seconds Delay Lines

SERIES: 2020

6 pins SIP

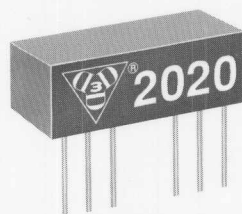
**data
delay
devices, inc.**



Description:

The ever increasing speed of today's computers and system designs demands that propagation delays due to integrated circuit, printed circuit board lay-out and stray capacitance be compensated without reducing the system speed.

Delay line Series 2020 was developed specifically to address these requirements. The uniform construction guarantees high fidelity of signal reproduction, band-widths in excess of 350 MHZ, and consistent delay tolerance from every production lot. In many cases these units can be direct replacements of coaxial cable, thus affording reduction of cost, weight and volume. Other applications include super computers and automated test equipment.



Part No.	Delay (ns)	Impedance (Ω)
2020-100	100	50
2020-150	150	50
2020-200	200	50
2020-250	250	50
2020-300	300	50
2020-350	350	50
2020-400	400	50
2020-500	500	50
2020-600	600	50
2020-700	700	50
2020-800	800	50
2020-900	900	50
2020-1000	1000	50
2020-1100	1100	50
2020-1200	1200	50
2020-1300	1300	50
2020-1400	1400	50
2020-1500	1500	50
2020-1700	1700	50
2020-1750	1750	50

Specifications:

- Delay: Fixed.
- Delay tolerance: 2% or 10 ps.
- Frequency response: Greater than 350 MHZ.
- Ripple in pass-band: Approximately .2 db.
- Temperature range: -65 to $+125^{\circ}\text{C}$.
- Temperature coefficient: <100 PPM/ $^{\circ}\text{C}$.
- Dielectric breakdown: >500 V.
- Meets or exceeds MIL-D-23859C.
- Epoxy encapsulated.

